AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

Claim 1 (Canceled)

2. (Currently Amended) A switched capacitor filter having an anti-aliasing function, comprising:

integration circuits of multiple stages, each having an amplifier and a switched capacitor, ~~and~~ wherein

the integration circuit of at least a first stage of the integration circuits of multiple stages has a resistor, ~~and~~

a bipolar transistor is provided in an input stage of the amplifier in at least ~~one~~ the first stage of the integration circuits ~~having the resistor~~ of multiple stages,

no bipolar transistor is provided in the input stage of the amplifier of any integration circuit, of the integration circuits of multiple stages, that does not have a resistor, and

any amplifier that does not have the bipolar transistor provided in the input stage is provided with a metal-oxide-semiconductor field-effect-transistor (MOSFET) instead.

3. (Currently Amended) A switched capacitor filter having an anti-aliasing function, comprising:

integration circuits of multiple-stages, each having an amplifier and a switched capacitor, ~~and~~ wherein

an integration circuit of at least a first stage of the integration circuits of multiple stages has a resistor,

the integration circuits each has a distributed gain so as to maintain a filtering function in each of the multiple-stages of integration circuits, ~~and~~

a bipolar transistor is provided in an input stage of ~~an~~ the amplifier in the first stage of the integration circuits of multiple stages, as well as in the input stage of the amplifier in other stages which ~~shows~~ show a strong 1/f noise reduction effect ~~includes a bipolar transistor~~ by using the bipolar transistor, and

any amplifier that does not have the bipolar transistor provided in the input stage is provided with a metal-oxide-semiconductor field-effect-transistor (MOSFET) instead.

4. (Previously Presented) The switched capacitor as set forth in Claim 2, wherein:

the resistor is connected to the input stage of the amplifier, and

the amplifier whose input stage includes the bipolar transistor has an input impedance that is greater than a resistance of the resistor.

5. (Previously Presented) The switched capacitor as set forth in Claim 3, wherein:

the amplifier whose input stage include the bipolar transistor has an input impedance that is greater than a resistance of the resistor which is connected to the input stage of the amplifier.

Claim 6 (Canceled)

7. (Original) The switched capacitor filter as set forth in Claim 2, wherein:

the switched capacitor filter is provided on a single substrate.

8. (Original) The switched capacitor filter as set forth in Claim 3, wherein:

the switched capacitor filter is provided on a single substrate.

Claim 9 (Canceled)

10. (Previously Presented) A digital wireless receiver, comprising:

the switched capacitor filter of Claim 2 is used for (i) intermediate frequency band section of a digital wireless receiver which uses a low IF system, or (ii) an analog baseband section of a digital wireless communication receiver which uses no intermediate frequency.

11 (Previously Presented) A digital wireless receiver, comprising:

the switched capacitor filter of Claim 3 is used for (i) intermediate frequency band section of a digital wireless receiver which uses a low IF system, or (ii) an analog baseband section of a digital wireless communication receiver which uses no intermediate frequency.